

IN THE SPECIFICATION

Please amend the paragraph at page 1, line 2, under the heading RELATED APPLICATIONS as follows:

A1
~~This application is related to U.S. Application Serial~~
~~No. _____, entitled Serial No. 09/724,714, entitled~~
~~"SYSTEM AND METHOD FOR COMMUNICATING TELECOMMUNICATION~~
~~INFORMATION FROM A TELECOMMUNICATION NETWORK TO A BROADBAND~~
~~NETWORK" and filed November 28, 2000 filed _____,~~
~~Attorney's Docket No. 066303.0111.~~

Please amend the paragraph at page 27, line 21, beginning with "In a first mode of operation" as follows:

A2
In a first mode of operation, management module 100 configures gateway 18 at start-up. According to the subscriber profiles stored in memory 102, management module 100 selects a combination of TIMs 104, echo cancellation modules 106, compression modules 108, packetization modules 110, and network interface modules 112 to service each subscriber. Management module 100 then establishes a communication path for each subscriber among the selected combination of TIMs 104, echo cancellation modules 106, compression modules 108, packetization modules 110, and network interface modules 112. In the illustrated embodiment, management ~~module 110~~ module 100 assigns each subscriber one or more time slots in TDM bus 114 for communicating telecommunication information among TIMs 104, echo cancellation modules 106, compression modules 108, and packetization modules 110. To implement the configuration, management module 100 communicates control information to TIMs 104, echo cancellation modules 106, compression modules 108, packetization modules 110, and network interface modules 112.

Please amend the paragraph at page 29, line 15, beginning with "To ensure that gateway 18 processes" as follows:

A3
To ensure that gateway 18 processes and communicates each subscriber's telecommunication information using the proper communication, compression, and broadband technologies, management module 100 selects a combination of TIMs 104, echo cancellation modules 106, compression modules 108, packetization modules 110, and network interface modules 112 to service each subscriber according to the subscriber profiles stored in memory 102. In a particular embodiment, the subscriber profiles identify a telecommunication interface 26, a compression algorithm, a data communication protocol, and a data link 28 associated with each subscriber. To service each subscriber, management module 100 selects TIM 104 coupled to associated interface 26, compression module 108 that supports the associated compression algorithm, packetization module 110 that supports the associated data communication protocol, and network interface module 112 coupled to associated ~~data link 18~~ data link 28. In addition, if a subscriber profile indicates that the gateway 18 should perform echo cancellation on a subscriber's telecommunication information, management module 100 selects one of echo cancellation modules 106 to service the subscriber. In an alternative embodiment, the subscriber profiles identify a combination of TIMs 104, echo cancellation modules 106, compression modules 108, packetization modules 110, and network interface modules 112 to service each subscriber.

Please amend the paragraph at page 31, line 19, beginning with "To communicate telecommunication information" as follows:

A4
To communicate telecommunication information from switch 16 to customer premises 14, one of TIMs 104 receives

telecommunication information from switch 16 and identifies a subscriber associated with the telecommunication information.

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In a particular embodiment, TIM 104 identifies the subscriber based on interface 26 from which TIM 104 received the telecommunication information. For example, if TIM 104 receives telecommunication information from ~~analog line #165~~ analog line 26a, TIM 104 can identify Jane Doe as the subscriber associated with the telecommunication information using column 204. In an alternative embodiment, TIM 104 receives a subscriber identifier in conjunction with the telecommunication information and uses column 202 to identify the subscriber associated with the telecommunication information. After identifying the subscriber, TIM 104 communicates the telecommunication information to TDM bus 114 using the subscriber's assigned time slot in column 214.
